

Please Direct All Correspondence to Customer Number **20995****TRANSMITTAL LETTER  
INFORMATION DISCLOSURE STATEMENT**

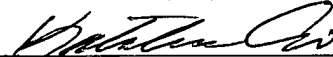
Applicant : OGASAWARA, et al.  
App. No : 10/542,104  
Filed : July 13, 2005  
For : DIFFERENT DENDRITIC CELL  
SUBSETS  
Examiner : Unknown  
Art Unit : Unknown

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 6, 2005

(Date)



Katsuhiro Arai, Reg. No. 43,315

**Mail Stop Amendment**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

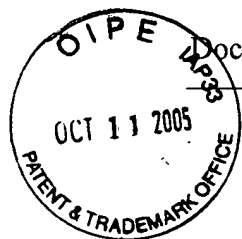
Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement and PTO/SB/08 equivalent listing references for consideration:
- (X) Listing thirty nine (39) references.
  - (X) Enclosing thirty nine (39) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.



Katsuhiro Arai  
Registration No. 43,315  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404



## INFORMATION DISCLOSURE STATEMENT

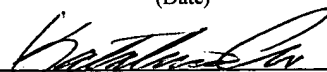
Applicant : OGASAWARA, et al.  
App. No : 10/542,104  
Filed : July 13, 2005  
For : DIFFERENT DENDRITIC CELL  
SUBSETS  
Examiner : Unknown  
Art Unit : Unknown

## CERTIFICATE OF MAILING

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first-class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

October 6, 2005

(Date)

  
Katsuhiro Arai, Reg. No. 43,315

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing thirty nine (39) references to be considered by the Examiner. Also enclosed are thirty nine (39) foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.


This Information Disclosure Statement is being filed within three months of the filing date, with an RCE or before receipt of a first office action after an RCE and no fee is required.

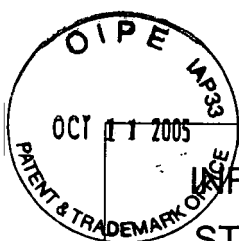
The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: October 6, 2005

By:   
Katsuhiro Arai  
Registration No. 43,315  
Attorney of Record  
Customer No. 20,995  
(949) 760-0404

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application No.	10/542,104
Filing Date	July 13, 2005
First Named Inventor	Kazumasa OGASAWARA
Art Unit	Unknown
Examiner	Unknown
Attorney Docket No.	SAEG163.003APC

(Multiple sheets used when necessary)

SHEET 1 OF 3

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
-------------------	----------	---	--------------------------------	-------------------------------	--

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	1	JP 2002-065253	03/05/02	Asahi Kasei Corp; Asahi Medical Co Ltd	(English Abstract Only)	X
	2	EO 00/66155	11/09/00	La Jolla Institute for Allergy and Immunology		

**NON PATENT LITERATURE DOCUMENTS**

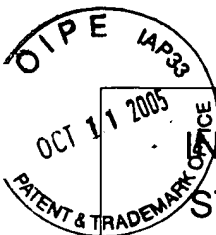
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	3	Catherine Martinon-Ego, et al., "Murine Dendritic Cells Derived from Myeloid Progenitors of the Thymus Are Unable to Produce Bioactive IL-12 <sub>p70</sub> ," J. Immunol. / pp. 5008-5017 / 2001	
	4	Michelle Kelleher, et al., "Lipopolysaccharide Modulation of Dendritic Cells Is Insufficient to Mature Dendritic Cells to Generate CTLs from Naive Polyclonal CD8 <sup>+</sup> T Cells In Vitro, Whereas CD40 Ligation Is Essential," J. Immunol. / pp.6247-6255 / 2001	
	5	Evelina Gatti, et al., "Large-Scale Culture and Selective Maturation of Human Langerhans Cells from Granulocyte Colony-Stimulating Factor-Mobilized CD34 <sup>+</sup> Progenitors," J. Immunol. / pp.3600-3607 / 2000	
	6	David Askew, et al., "CpG DNA Induces Maturation of Dendritic Cells with Distinct Effects on Nascent and Recycling MHC-II Antigen-Processing Mechanisms," J. Immunol. / pp.6889-6895 / 2000	
	7	Chen-Lung Lin, et al., "Dendritic cell chemotaxis and transendothelial migration are induced by distinct chemokines and are regulated on maturation," Eur. J. Immunol. / pp.4114-4122 / 1998	
	8	Anne Krug, et al., "Toll-like receptor expression reveals CpG DNA as a unique microbial stimulus for plasmacytoid dendritic cells which synergizes with CD40 ligand to induce high amounts of IL-12," Eur. J. Immunol. / pp.3026-3037 / 2001	
	9	Manfred B. Lutz, et al., "Culture of bone marrow cells in GM-CSF plus high doses of lipopolysaccharide generates exclusively immature dendritic cells which induce alloantigen-specific CD4 T cell anergy <i>in vitro</i> ," Eur. J. Immunol. / pp.1048-1052 / 2000	
	10	Erin Mehlhop, et al., "Enhanced <i>in vitro</i> stimulation of rhesus macaque dendritic cells for activation of SIV-specific T cell responses," J. Immunol. Methods / pp.219-234 / 2002	
	11	Jelena Mann, et al., "CD40 Induces Interleukin-6 Gene Transcription in Dendritic Cells," J. Biol. Chem. / pp.17125-17138 / 2002	
	12	Yayoi Tokoro, et al., "Molecular Cloning and Characterization of Mouse Tspan-3, a Novel Member of the Tetraspanin Superfamily, Expressed on Resting Dendritic Cells," Biochem. Biophys. Res. Commun. / pp.178-183 / 2001	

Examiner Signature

Date Considered

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>	Application No.	10/542,104
	Filing Date	July 13, 2005
	First Named Inventor	Kazumasa OGASAWARA
	Art Unit	Unknown
(Multiple sheets used when necessary)	Examiner	Unknown
SHEET 2 OF 3	Attorney Docket No.	SAEG163.003APC

### NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	13	Banchereau and Steinman, "Dendritic cells and the control of immunity," Nature / pp.245-252 / 1 998	
	14	Mellman and Steinman, "Dendritic Cells: Specialized and Regulated Antigen Processing Machines," Cell / pp.255-258 / 2001	
	15	Kayo Inaba, et al., "The Formation of Immunogenic Major Histocompatibility Complex Class II-Peptide Ligands in Lysosomal Compartments of Dendritic Cells Is Regulated by Inflammatory Stimuli," J. Exp. Med. / pp.927-936 / 2000	
	16	Stefania Gallucci, et al., "Natural adjuvants: Endogenous activators of dendritic cells," Nat. Med. / pp.1249-1255 / 1999	
	17	Fumiko Nomura, et al., "Cutting Edge: Endotoxin Tolerance in Mouse Peritoneal Macrophages Correlates with Down-Regulation of Surface Toll-Like Receptor 4 Expression," J. Immunol. / pp.3476-3479 / 2000	
	18	Kayo Inaba, et al., "Dendritic Cell Progenitors Phagocytose Particulates, Including Bacillus Calmette-Guerin Organisms, and Sensitize Mice to Mycobacterial Antigens In Vivo," J. Exp. Med. / pp.479-488 / 1993	
	19	Yufei Wang, et al., "CD40 Is a Cellular Receptor Mediating Mycobacterial Heat Shock Protein 70 Stimulation of CC-Chemokines," Immunity / pp.971-983 / 2001	
	20	Sabine Stoll, et al., "Dynamic Imaging of T Cell-Dendritic Cell Interactions in Lymph Nodes," Science / pp.1873-1876 / 2002	
	21	Elizabeth Ingulli, et al., "In Situ Analysis Reveals Physical Interactions Between CD11b <sup>+</sup> Dendritic Cells and Antigen-Specific CD4 T Cells After Subcutaneous Injection of Antigen," J. Immunol. / pp.2247-2252 / 2002	
	22	Byung O. Lee, et al., "The Biological Outcome of CD40 Signaling Is Dependent on the Duration of CD40 Ligand Expression: Reciprocal Regulation by Interleukin (IL)-4 and IL-12," J. Exp. Med. / pp.693-704 / 2002	
	23	John Paul Ridge, et al., "A conditioned dendritic cell can be a temporal bridge between a CD4 <sup>+</sup> T-helper and a T-killer cell," Nature / pp.474-478 / 1998	
	24	Sally R. M. Bennett, et al., "Help for cytotoxic-T-cell responses is mediated by CD40 signalling," Nature / pp.478-480 / 1998	
	25	Stephen P. Schoenberger, et al., "T-cell help for cytotoxic T lymphocytes is mediated by CD40-CD40L interactions," Nature / pp.480-483 / 1998	
	26	Daniel Hawiger, et al., "Dendritic Cells Induce Peripheral T Cell Unresponsiveness Under Steady State Conditions In Vivo," J. Exp. Med. / pp.769-779 / 2001	
	27	Stephanie Hugues, et al., "Tolerance to Islet Antigens and Prevention from Diabetes Induced by Limited Apoptosis of Pancreatic $\beta$ Cells," Immunity / pp.169-181 / 2002	
	28	Helmut Jonuleit, et al., "Induction of Interleukin 10-producing, Nonproliferating CD4 <sup>+</sup> T Cells with Regulatory Properties by Repetitive Stimulation with Allogeneic Immature Human Dendritic Cells," J. Exp. Med. / pp.1213-1222 / 2000	
	29	Kang Liu, et al., "Immune Tolerance After Delivery of Dying Cells to Dendritic Cells In Situ," J. Exp. Med. / pp.1091-1097 / 2002	

Examiner Signature	Date Considered
<p><b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.



<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Multiple sheets used when necessary)  SHEET 3 OF 3	Application No.	10/542,104
	Filing Date	July 13, 2005
	First Named Inventor	Kazumasa OGASAWARA
	Art Unit	Unknown
	Examiner	Unknown
	Attorney Docket No.	SAEG163.003APC

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	30	Matthew L. Albert, et al., "Dendritic cell maturation is required for the cross-tolerization of CD8 <sup>+</sup> T cells," Nat. Immunol. / pp.1010-1017 / 2001	
	31	Sheldon E. Greisman, et al., "Mechanisms of Endotoxin Tolerance," J. Exp. Med. / pp.983-1000 / 1966	
	32	Maria Wysocka, et al., "IL-12 Suppression During Experimental Endotoxin Tolerance: Dendritic Cell Loss and Macrophage Hyporesponsiveness," J. Immunol. / pp.7504-7513 / 2001	
	33	F. Alves-Rosa, et al., "Interleukin-1 $\beta$ induces <i>in vivo</i> tolerance to lipopolysaccharide in mice," Clin. Exp. Immunol. / pp.221-228 / 2002	
	34	Kayo Inaba, et al., "Generation of Large Numbers of Dendritic Cells from Mouse Bone Marrow Cultures Supplemented with Granulocyte/Macrophage Colony-stimulating Factor," J. Exp. Med. / pp.1693-1702 / 1992	
	35	Patrick Stordeur, et al., "Cytokine mRNA quantification by real-time PCR," J. Immunol. Method. / pp.55-64 / 2002	
	36	Paola Corbella, et al., "Functional Commitment to Helper T Cell Lineage Precedes Positive Selection and Is Independent of T Cell Receptor MHC Specificity," Immunity / pp.269-276/1994	
	37	Yuri Sykulev, et al., "High-affinity reactions between antigen-specific T-cell receptors and peptides associated with allogeneic and syngeneic major histocompatibility complex class I proteins," Proc.Natl. Acad. Sci. USA / pp.11487-11491 / 1994	
	38	Kenneth M. Murphy, et al., "Induction by Antigen of Intrathymic Apoptosis of CD4 <sup>+</sup> CD8 <sup>+</sup> TCR <sup>10</sup> Thymocytes <i>In Vivo</i> ," Science, Vol. 250 / pp.1720-1723 / 1990	
	39	Shin'ichiro Motohashi, et al., "Clinical Application of NKT cell immunotherapy (NKT Men'ekikei o Mochiita Saibo Men'eki Ryoho no Rinsho eno Oyo)," Experimental Medicine / pp.2397-2341 / 2001	X

1973786  
100605

Examiner Signature	Date Considered
<b>*Examiner:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.